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ACCESSION NUMBER: 1997:678926 CAPLUS

DOCUMENT NUMBER: 127:331392

TITLE: Preparation of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors

INVENTOR(S): Kimura, Tomio; Noguchi, Yasuo; Nakao, Akira; Suzuki, Keisuke; Ushiyama, Shigeru; Kawara, Akihiro; Miyamoto, Masaaki

PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 140 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

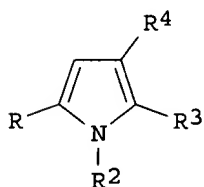
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 799823	A1	19971008	EP 1997-302245	19970402
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 5908858	A	19990601	US 1997-824775	19970326
AU 9716653	A1	19971009	AU 1997-16653	19970402
AU 710380	B2	19990916		
CA 2201812	AA	19971005	CA 1997-2201812	19970404
NO 9701564	A	19971006	NO 1997-1564	19970404
JP 09323971	A2	19971216	JP 1997-86889	19970404
JP 3034819	B2	20000417		
RU 2125044	C1	19990120	RU 1997-105191	19970404
CN 1168372	A	19971224	CN 1997-113404	19970405
			JP 1996-83562	19960405

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 127:331392

GI



AB Title compds. [e.g., I; R = ZSO₂R₁; R₁ = alkyl or NHR_a; R_a = H, alkanoyl, alkoxy carbonyl, etc.; R₂ = (un)substituted Ph; R₃ = H, halo, (un)substituted alkyl; R₄ = H, (un)substituted alkyl, aryl(alkyl), etc.; Z = (un)substituted 1,4-phenylene] were prepd. Thus, 4-(MeO)C₆H₄NH₂ was condensed with 4-(OHC)C₆H₄SO₂Me and the product treated with Me₃SiCN/ZnCl₂ to give 4-(MeO)C₆H₄NHCH(CN)C₆H₄(SO₂Me)-4 which was cyclocondensed with CH₂:CHCHO to give I [R = C₆H₄(SO₂Me)-4, R₂ = C₆H₄(OMe)-4, R₃ = R₄ = H]. Data for biol. activity of title compds. were given.

IT ~~189501-09-5P~~ 197904-27-1P 197904-28-2P
 197904-30-6P 197904-31-7P 197904-32-8P
 197904-52-2P 197904-68-0P 197904-69-1P
 197904-74-8P 197904-75-9P 197904-76-0P
 197904-77-1P 197904-78-2P 197904-79-3P

197904-80-6P 197904-81-7P 197904-82-8P
 197904-83-9P 197904-84-0P 197904-85-1P
 197904-86-2P 197904-87-3P 197904-88-4P
 197904-89-5P 197904-91-9P 197904-92-0P
 197904-93-1P 197904-94-2P 197904-95-3P
 197904-96-4P 197904-98-6P 197904-99-7P
 197905-00-3P 197905-01-4P 197905-02-5P
 197905-03-6P 197905-05-8P 197905-07-0P
 197905-08-1P 197905-09-2P 197905-10-5P
 197905-11-6P 197905-12-7P 197905-13-8P
 197905-14-9P 197905-15-0P 197905-16-1P
 197905-17-2P 197905-18-3P 197905-20-7P
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 197905-41-2P 197905-42-3P 197905-43-4P
 197905-44-5P 197905-45-6P 197905-46-7P
 197905-47-8P 197905-48-9P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors)

RN 189501-09-5 CAPLUS

CN Benzenesulfonamide, 4-[2-(4-fluorophenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

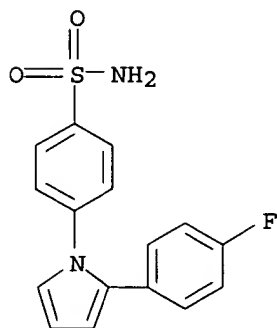
Col. 15, formula (II)

Table II in col. 21+22

Compd No. 2-62

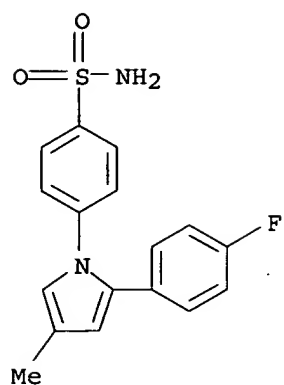
or

Example 13 in column 75



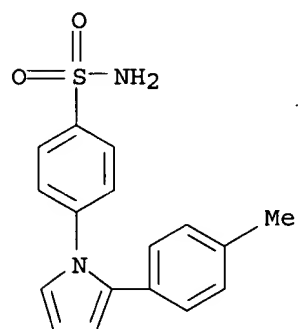
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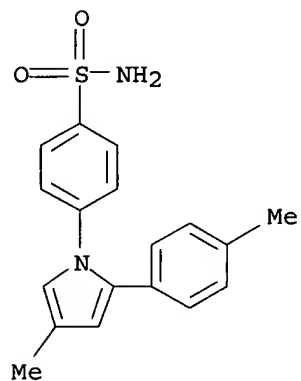
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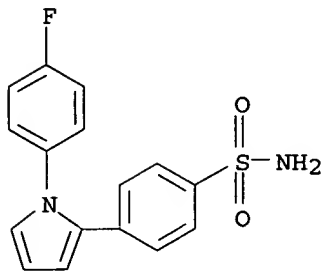
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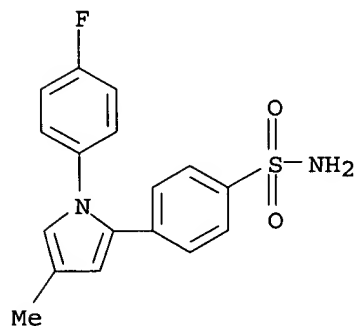
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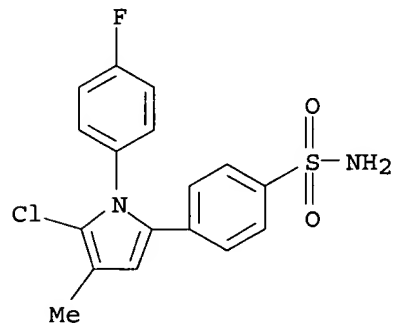
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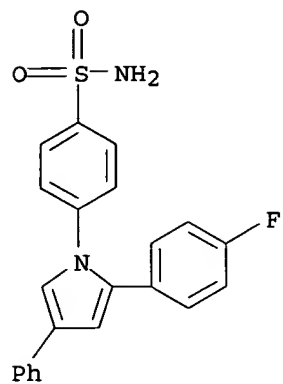
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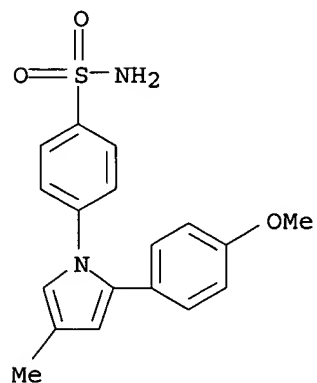


RN 197904-68-0 CAPLUS

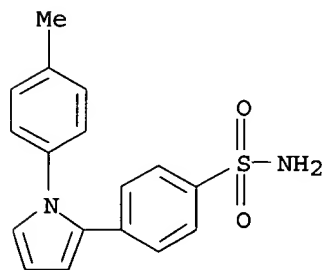
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(CA INDEX NAME)



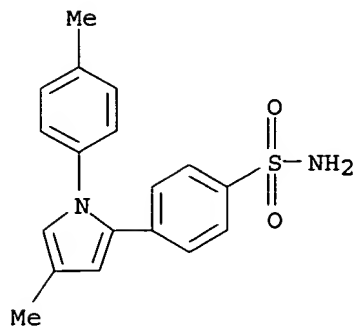
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CN Benzenesulfonamide, 4-[2-(4-methoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)
(CA INDEX NAME)



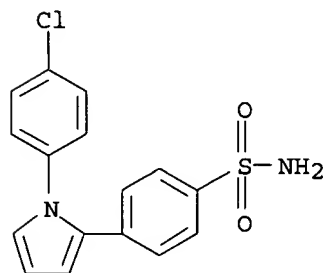
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INDEX NAME)



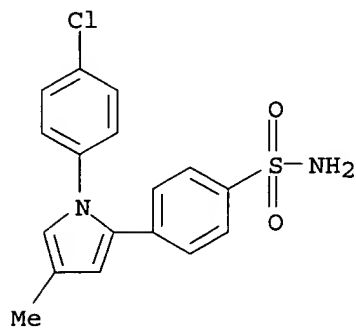
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RN 197904-76-0 CAPLUS

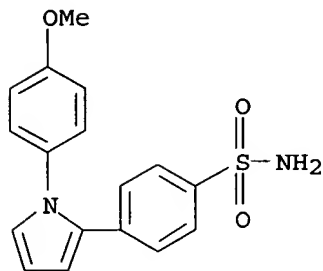
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INDEX NAME)

RN 197904-77-1 CAPLUS

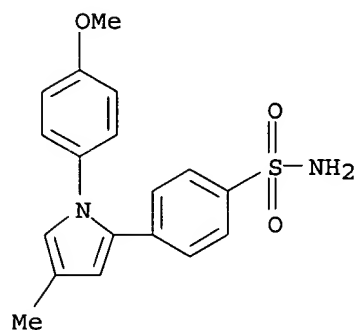
CN Benzenesulfonamide, 4-[1-(4-chlorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)
(CA INDEX NAME)

RN 197904-78-2 CAPLUS

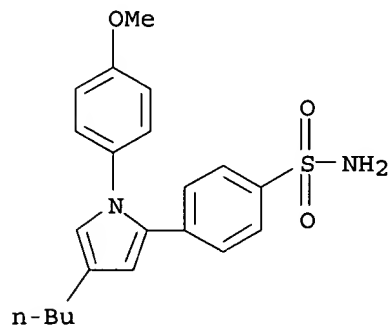
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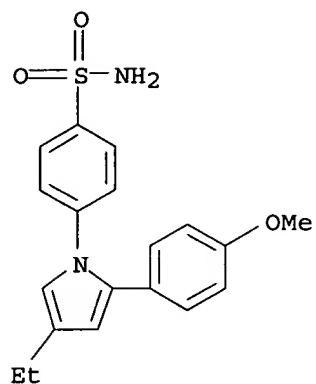
CN Benzenesulfonamide, 4-[1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI)
(CA INDEX NAME)

RN 197904-80-6 CAPLUS

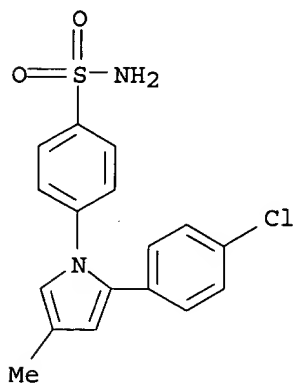
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(CA INDEX NAME)

RN 197904-81-7 CAPLUS

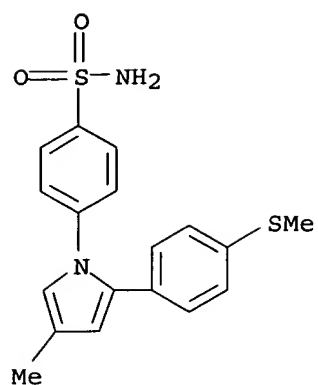
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(CA INDEX NAME)



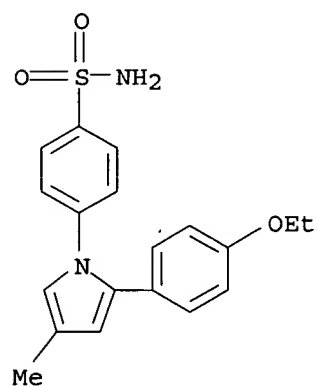
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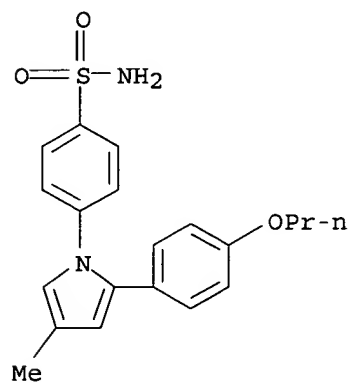
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(9CI) (CA INDEX NAME)



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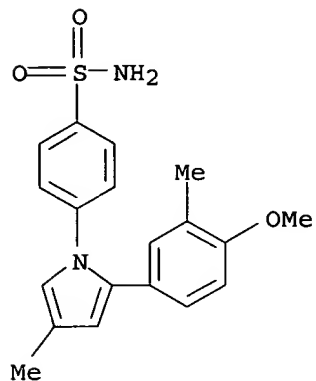
CN Benzenesulfonamide, 4-[2-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI)
(CA INDEX NAME)

RN 197904-85-1 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-2-(4-propoxyphenyl)-1H-pyrrol-1-yl]- (9CI)
(CA INDEX NAME)

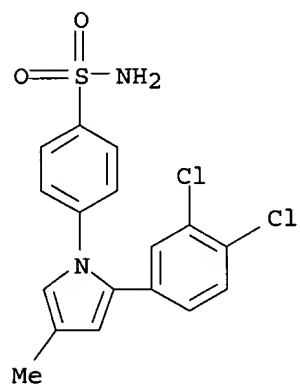
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CN Benzenesulfonamide, 4-[2-(4-methoxy-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



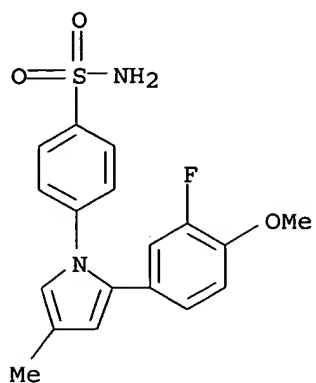
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CN Benzenesulfonamide, 4-[2-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



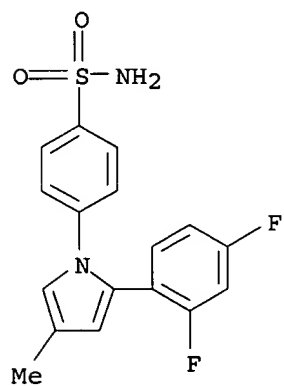
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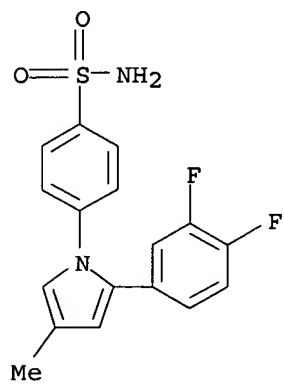
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CN Benzenesulfonamide, 4-[2-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-1-yl]-(9CI) (CA INDEX NAME)

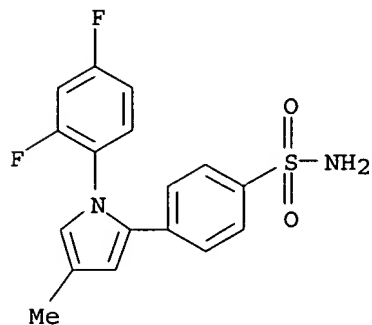


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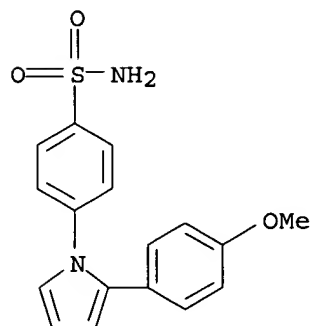
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RN 197904-92-0 CAPLUS

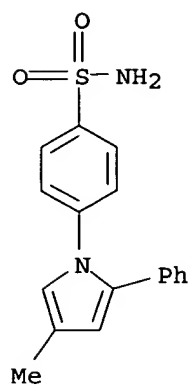
CN Benzenesulfonamide, 4-[1-(2,4-difluorophenyl)-4-methyl-1H-pyrrol-2-yl]-
(9CI) (CA INDEX NAME)

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INDEX NAME)

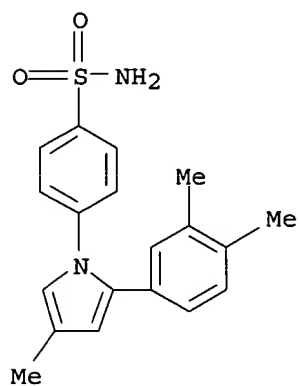
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CN Benzenesulfonamide, 4-(4-methyl-2-phenyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX
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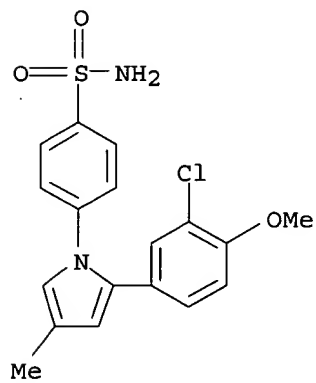
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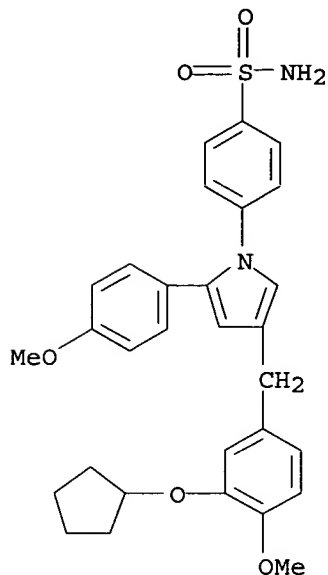
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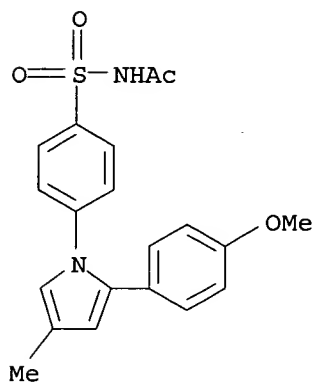
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CN Benzenesulfonamide, 4-[4-[[3-(cyclopentyloxy)-4-methoxyphenyl]methyl]-2-(4-methoxyphenyl)-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



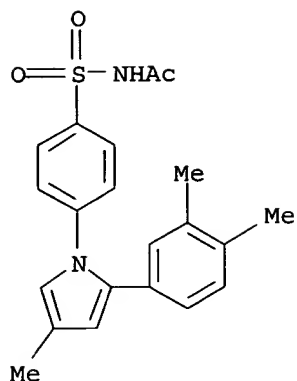
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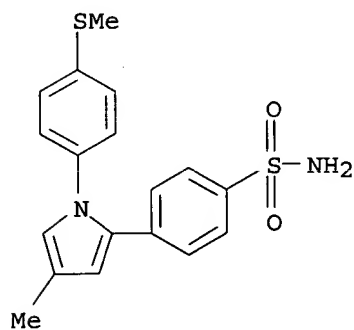
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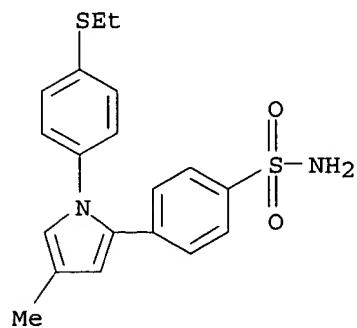
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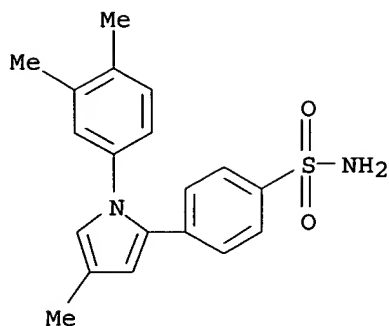
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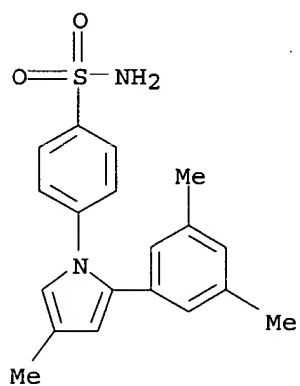
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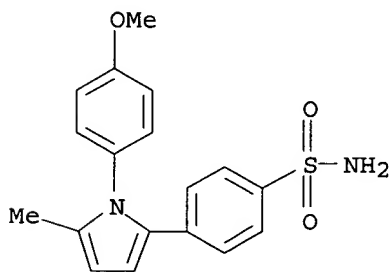
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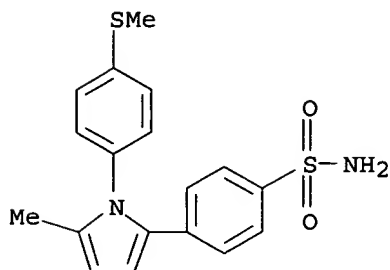
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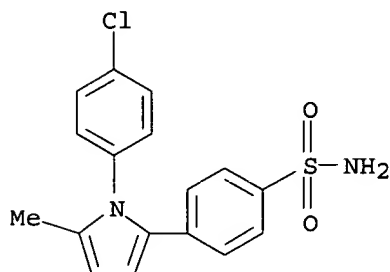
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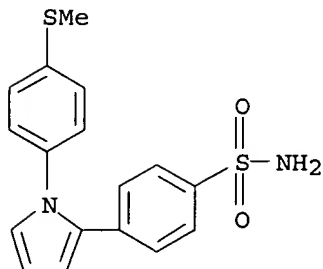
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(CA INDEX NAME)



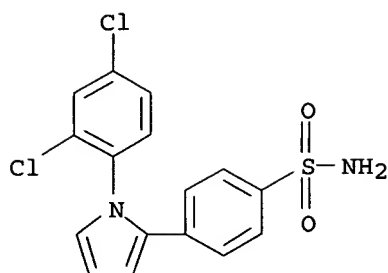
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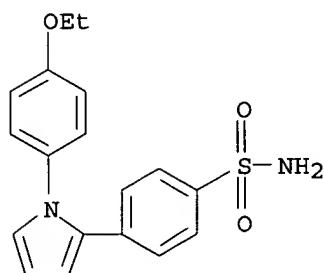


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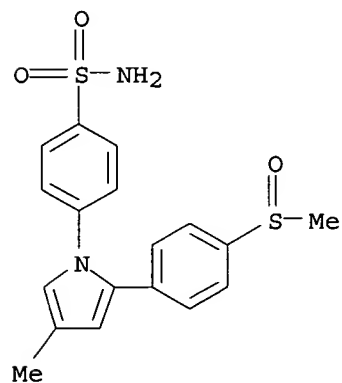
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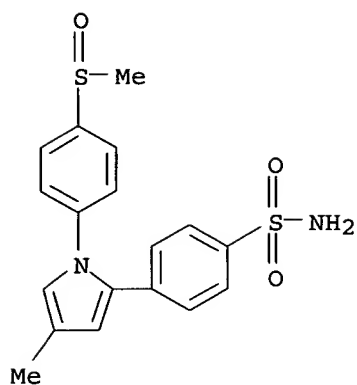
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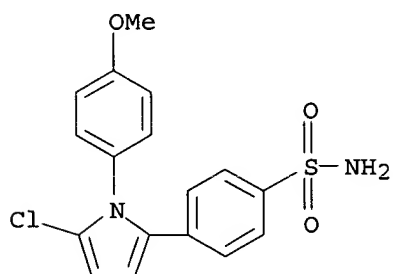


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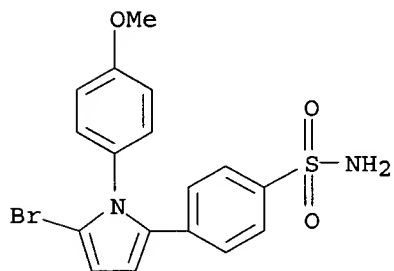
RN 197905-15-0 CAPLUS

CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI)
(CA INDEX NAME)



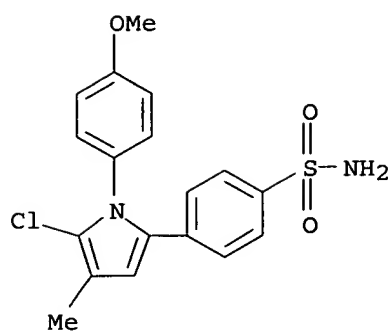
RN 197905-16-1 CAPLUS

CN Benzenesulfonamide, 4-[5-bromo-1-(4-methoxyphenyl)-1H-pyrrol-2-yl]- (9CI)
(CA INDEX NAME)

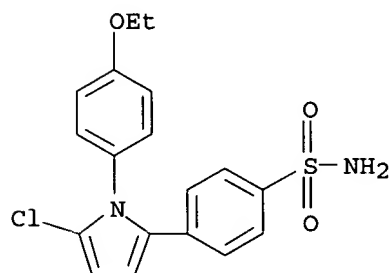


RN 197905-17-2 CAPLUS

CN Benzenesulfonamide, 4-[5-chloro-1-(4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)

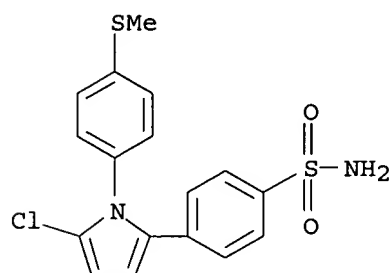


RN 197905-18-3 CAPLUS

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(CA INDEX NAME)

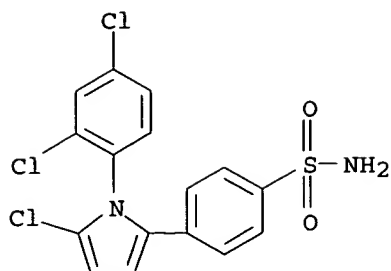
RN 197905-20-7 CAPLUS

CN Benzenesulfonamide, 4-[5-chloro-1-[4-(methylthio)phenyl]-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



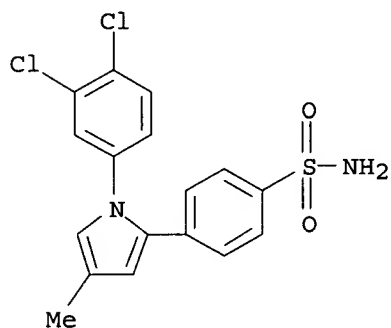
RN 197905-21-8 CAPLUS

CN Benzenesulfonamide, 4-[5-chloro-1-(2,4-dichlorophenyl)-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



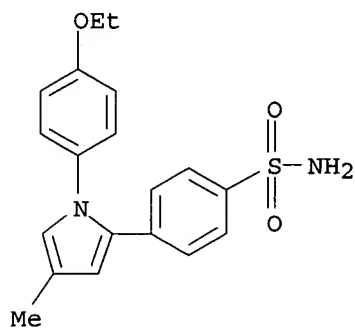
RN 197905-23-0 CAPLUS

CN Benzenesulfonamide, 4-[1-(3,4-dichlorophenyl)-4-methyl-1H-pyrrol-2-yl]-(9CI) (CA INDEX NAME)



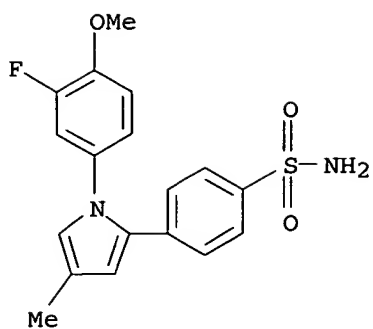
RN 197905-24-1 CAPLUS

CN Benzenesulfonamide, 4-[1-(4-ethoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-(9CI) (CA INDEX NAME)

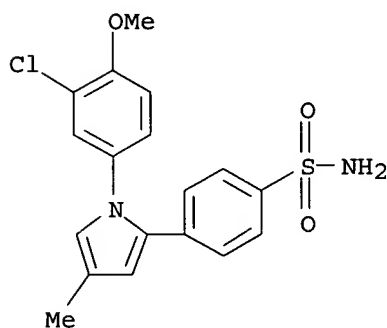


RN 197905-26-3 CAPLUS

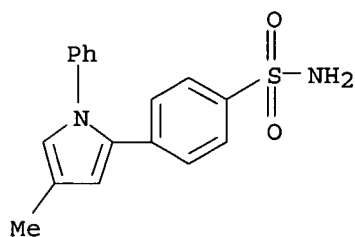
CN Benzenesulfonamide, 4-[1-(3-fluoro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]-(9CI) (CA INDEX NAME)



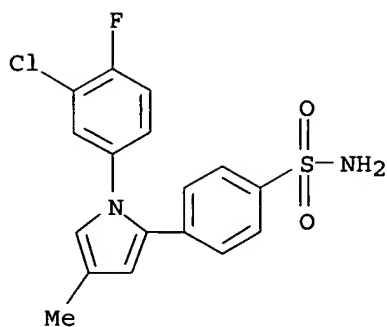
RN 197905-27-4 CAPLUS
 CN Benzenesulfonamide, 4-[1-(3-chloro-4-methoxyphenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



RN 197905-28-5 CAPLUS
 CN Benzenesulfonamide, 4-(4-methyl-1-phenyl-1H-pyrrol-2-yl)- (9CI) (CA INDEX NAME)

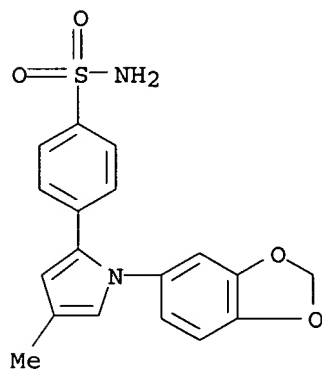


RN 197905-29-6 CAPLUS
 CN Benzenesulfonamide, 4-[1-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]- (9CI) (CA INDEX NAME)



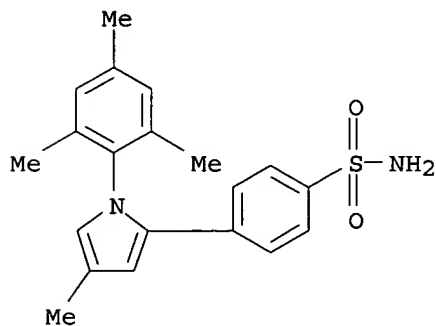
RN 197905-30-9 CAPLUS

CN Benzenesulfonamide, 4-[1-(1,3-benzodioxol-5-yl)-4-methyl-1H-pyrrol-2-yl]-
(9CI) (CA INDEX NAME)



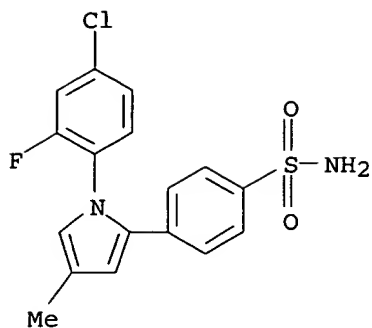
RN 197905-31-0 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-1-(2,4,6-trimethylphenyl)-1H-pyrrol-2-yl]-
(9CI) (CA INDEX NAME)

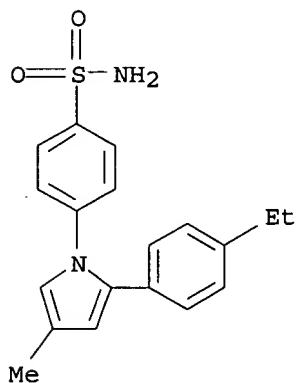


RN 197905-32-1 CAPLUS

CN Benzenesulfonamide, 4-[1-(4-chloro-2-fluorophenyl)-4-methyl-1H-pyrrol-2-yl]-
(9CI) (CA INDEX NAME)

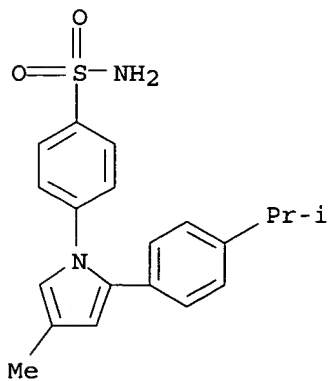


RN 197905-33-2 CAPLUS

CN Benzenesulfonamide, 4-[2-(4-ethylphenyl)-4-methyl-1H-pyrrol-1-yl] - (9CI)
(CA INDEX NAME)

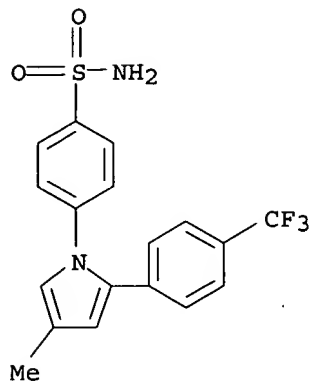
RN 197905-34-3 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-2-[4-(1-methylethyl)phenyl]-1H-pyrrol-1-yl] - (9CI) (CA INDEX NAME)



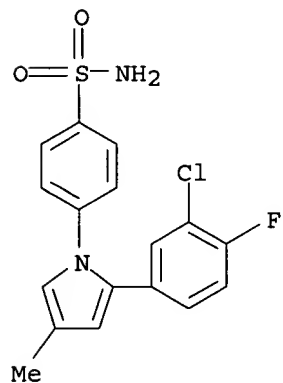
RN 197905-35-4 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-2-[4-(trifluoromethyl)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



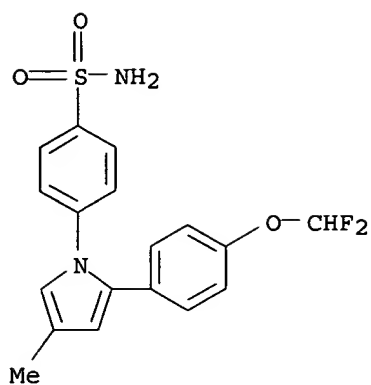
RN 197905-36-5 CAPLUS

CN Benzenesulfonamide, 4-[2-(3-chloro-4-fluorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



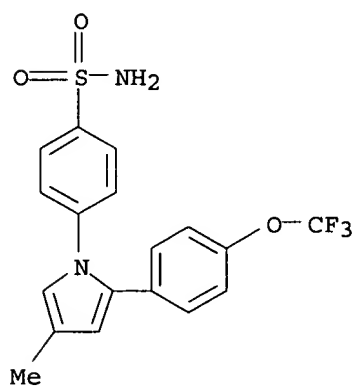
RN 197905-37-6 CAPLUS

CN Benzenesulfonamide, 4-[2-[4-(difluoromethoxy)phenyl]-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



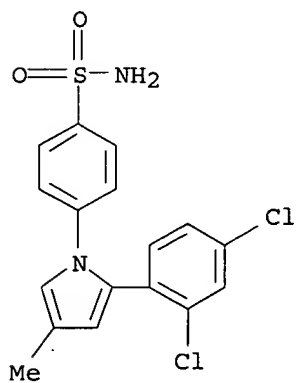
RN 197905-38-7 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-2-[4-(trifluoromethoxy)phenyl]-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)

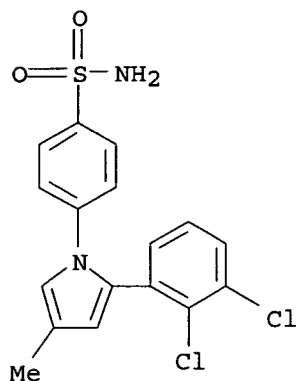


RN 197905-39-8 CAPLUS

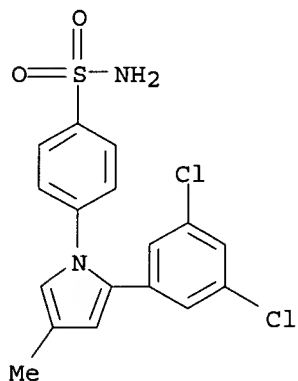
CN Benzenesulfonamide, 4-[2-(2,4-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



RN 197905-40-1 CAPLUS

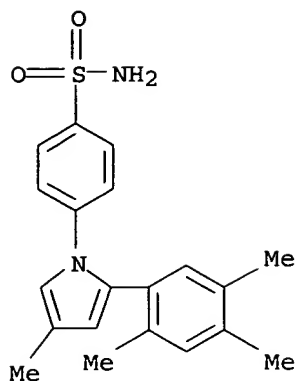
CN Benzenesulfonamide, 4-[2-(2,3-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-
(9CI) (CA INDEX NAME)

RN 197905-41-2 CAPLUS

CN Benzenesulfonamide, 4-[2-(3,5-dichlorophenyl)-4-methyl-1H-pyrrol-1-yl]-
(9CI) (CA INDEX NAME)

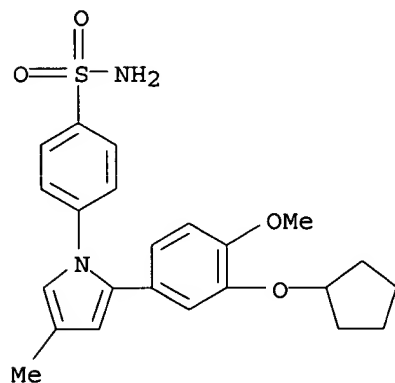
RN 197905-42-3 CAPLUS

CN Benzenesulfonamide, 4-[4-methyl-2-(2,4,5-trimethylphenyl)-1H-pyrrol-1-yl]-
(9CI) (CA INDEX NAME)



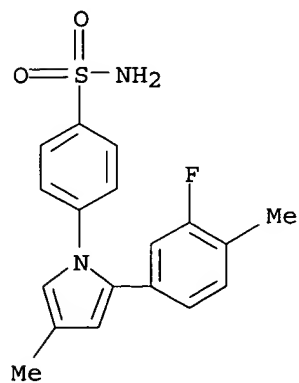
RN 197905-43-4 CAPLUS

CN Benzenesulfonamide, 4-[2-[3-(cyclopentyloxy)-4-methoxyphenyl]-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



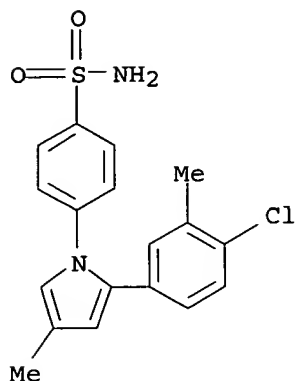
RN 197905-44-5 CAPLUS

CN Benzenesulfonamide, 4-[2-(3-fluoro-4-methylphenyl)-4-methyl-1H-pyrrol-1-yl]- (9CI) (CA INDEX NAME)



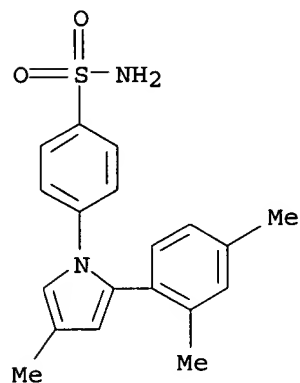
RN 197905-45-6 CAPLUS

CN Benzenesulfonamide, 4-[2-(4-chloro-3-methylphenyl)-4-methyl-1H-pyrrol-1-yl] - (9CI) (CA INDEX NAME)



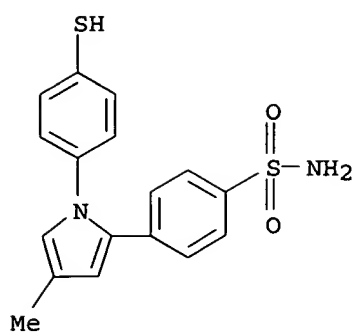
RN 197905-46-7 CAPLUS

CN Benzenesulfonamide, 4-[2-(2,4-dimethylphenyl)-4-methyl-1H-pyrrol-1-yl] - (9CI) (CA INDEX NAME)



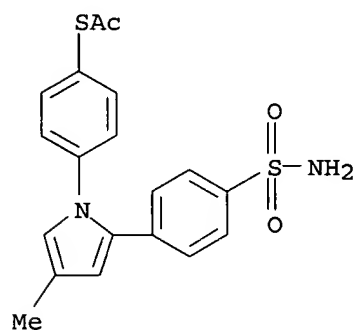
RN 197905-47-8 CAPLUS

CN Benzenesulfonamide, 4-[1-(4-mercaptophenyl)-4-methyl-1H-pyrrol-2-yl] - (9CI) (CA INDEX NAME)



RN 197905-48-9 CAPLUS

CN Ethanethioic acid, S-[4-[2-[4-(aminosulfonyl)phenyl]-4-methyl-1H-pyrrol-1-yl]phenyl] ester (9CI) (CA INDEX NAME)

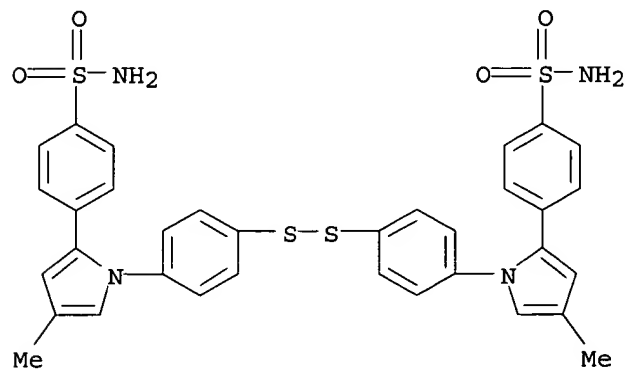


IT 197906-24-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 1,2-diphenylpyrroles as cyclooxygenase-2 inhibitors)

RN 197906-24-4 CAPLUS

CN Benzenesulfonamide, 4,4'-[dithiobis[4,1-phenylene(4-methyl-1H-pyrrole-1,2-diyl)]]bis- (9CI) (CA INDEX NAME)



RN's in US 5,908,858 (09/678,218)

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